

### **REMARKS**

Upon entry of the amendments in this paper, claims 1 and 3-12 will be pending in the above-identified application. Claims 1 and 3-10 are herein amended. Claims 11 and 12 are herein added. No new matter is entered. It is respectfully submitted that this paper is fully responsive to the Office action mailed on March 4, 2010.

#### **On the Merits**

##### **Claim Rejections - 35 U.S.C. §103(a)**

Claims 1 and 3-10 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,076,952 to *Gretta, Jr.* in view of *Hoshi et al.* and further in view of *Shoji et al.* As the *Hoshi* and *Shoji* references share a common inventor with the present application, any further insight you could provide regarding these references would be helpful.

##### **Independent Claim 1:**

Independent claim 1 recites:

A data display system for use with field devices, comprising:

a field control station which includes a data acquisition device for reading data from field devices connected to a fieldbus; and

a computer comprising,

a description device for writing data read by said data acquisition device to definition files according to a predetermined format to create definition files that define the way the data of said field devices is displayed;

a generation device for interpreting said definition files wherein data is written to generate display data; and

a display device for displaying said generated display data on a personal computer on a network,

wherein said definition files are provided on a field device basis and

wherein said definition files comprise the following sections:

a first section which defines a way parameters that represent a hardware status of said field devices are displayed;

a second section which defines a way status regarding mandatory configurations are displayed.

Regarding the features of the claimed computer, the examiner contends that *Gretta* discloses the “description device.” The examiner points to column 7, lines 40-45 and column 10, lines 45-67. Here *Gretta* discusses a “system 10” which includes “interface device 14.” Further, *Gretta* discusses that the interface device 14 could be a computer. *Gretta* goes on to discuss that the computer includes memory. Presumably the examiner’s position is that this memory is for writing data read by the acquisition device.

Regarding the generation device, the examiner points to column 10, lines 21-28 and 59-67. Here *Gretta* discusses FIGS. 9A and 9B which concern configuring a field bus network. However, the examiner does not specifically discuss the functional limitations of the “generation device;” i.e. interpreting said definition files wherein data is written to generate display data. (Emphasis added.)

It is difficult to tell how the examiner is interpreting the claimed “definition files,” of which the “description device” and “generation device” both interact with.

The examiner acknowledges that the “definition files” are not disclosed in *Gretta*, but instead contends they are disclosed in *Shoji*. Specifically, the examiner cites to page 23, column 2, paragraph 2. Here *Shoji* discusses the engineering of a DCS (digital control system). *Shoji* recites:

Register the AFC11 via the System View (the rear window in Figure 5) in the same way as you do for other I/O modules. In the property sheet of the AFC11, specify the directory in which the fieldbus information resides. In the window of the IOM definition builder (I/O module definition builder, the front window in Figure 5) that opens when the AFC11's icon is double-clicked, define blocks tag names, parameter names, directions, and data types, then load the I/O module configuration data. During this loading process, the builder program reads the fieldbus information and sets the necessary information in the ACF11 file in the project database.

The above paragraph seems to discuss a “definition builder” module. The definition builder module appears to define blocks tag names, parameter names, directions, and data types. However, the definition builder module does not disclose the “definition file” of the present application (see table below).

According to pages 12 and 13 and FIG. 4 of the present application, the definition files are written according to a predetermined format. As shown in FIG. 4, there are four separate

areas of the definition file (A1-A4). Please see the table below which shows the four areas of a definition file and the function of the respective areas.

<b>Area of Definition File</b>	<b>Function of the Respective Area of the Definition File</b>
A1	defines the way parameters that represent the hardware status are displayed.
A2	define the way the parameters of mandatory configurations are displayed
A3	define the way the parameters of optional configurations are displayed
A4	defines the way additional information is displayed

As such, applicants have amended claims 1 and 9 to further define the content of the definition files. For example, in independent claims 1 and 9, applicants included the features of the first and third areas of the definition file, as shown above.

As shown above, definition files are written and made by using a predetermined format and define how to display the data read from the field devices by message, data or color, etc.

A generation device refers to the definition files corresponding to the diagnosis parameters and displays the parameters, which are converted to the message, data or color, on display device.

The claimed invention refers to the definition files as to diagnosis parameters read from the field devices and displays status of the field devices by using the message, data or color, on the display device.

*Gretta* does not display any features of the claimed invention as mentioned above. *Gretta* simply displays data from devices as they are. And *Gretta* does not have any definition files as claimed above.

Dependent Claims 3-8 and 11 and 12:

As claims 3-8, 11 and 12 ultimately depend from independent claim 1, please see applicants' comments and amendments regarding claim 1.

Independent Claim 9:

As independent claim 9 contains similar feature to those discussed above with respect to independent claim 1, please see applicants' comments and amendments regarding claims 1 and 9.

In view of the aforementioned amendments and accompanying remarks, Applicants submit that the claims, as herein amended, are in condition for allowance. Applicants request such action at an early date.

Application No. 10/654,926  
Art Unit: 2442

Amendment under 37 C.F.R. §1.114  
Attorney Docket No. 031062

If the Examiner believes that this application is not now in condition for allowance, the Examiner is requested to contact Applicants' undersigned attorney to arrange for an interview to expedite the disposition of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,  
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